

Coordinating Committee Update

August 24, 2016

Presented by:

Mary J. Jimenez, P.E., PMP

Mary.Jimenez@water.ca.gov

Chief, Flood Planning Branch

Today's Discussion



Where We've Been

- 2017 Update Overview

Where We Are

- How Investment Actions Contribute to Societal Outcomes

Where We're Going

- CVFPP State Systemwide Investment Approach Refinements

Where We've Been

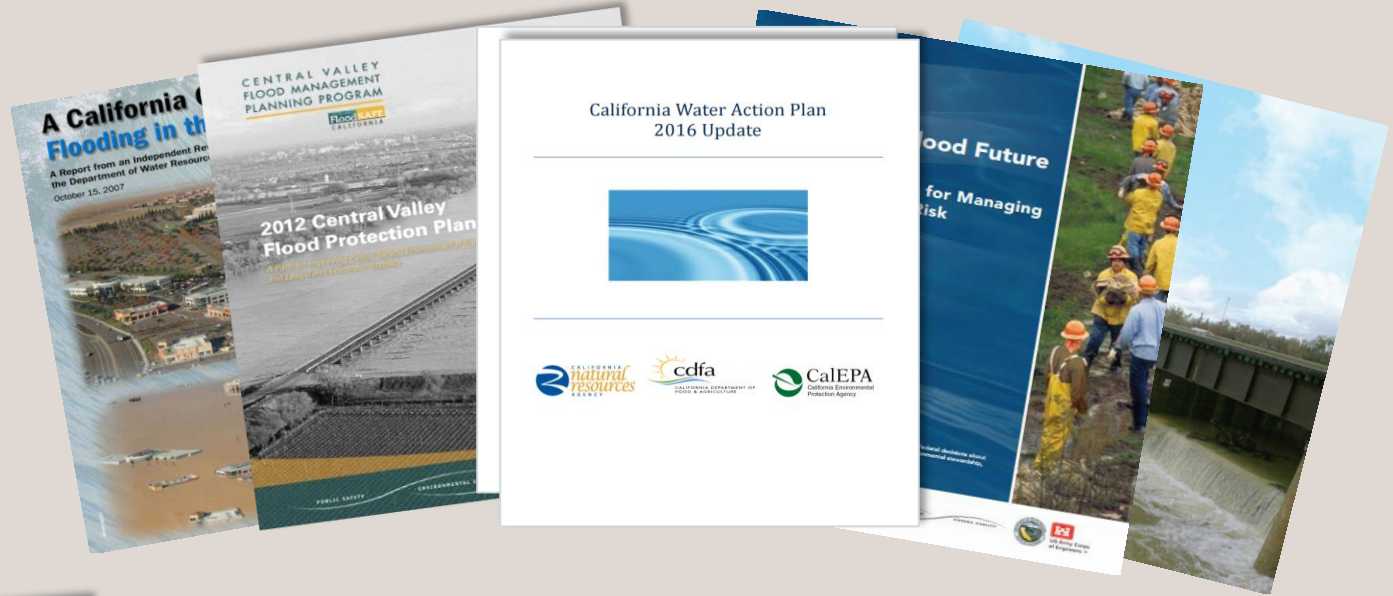
2017 Update Overview

Role of 2017 Update to the CVFPP

- Refines and updates the State Systemwide Investment Approach (SSIA)
- Adds additional specificity about recommended near and longer-term investment and financing approach
- Provides broad guidance about more resilient risk management




Policy Drivers



Supporting Efforts





CVFPP Goals Mapped to Broader Societal Outcomes in 2017 Update

CVFPP GOALS	SOCIETAL OUTCOMES
Primary Goal: Improve flood risk management	
Reduce the chance of flooding	  
Reduce damages once flooding occurs	
Improve public safety, preparedness, and emergency response	
Supporting Goals	
Improve Operations and Maintenance	  
Promote Ecosystem Functions	   
Promote Multi-benefit Projects	   
Improve Institutional Support	   
 Public Safety	 Economic Stability
 Ecosystem Vitality	 Enriching Experiences

Where We Are

How Investment Actions Contribute to Societal Outcomes

How CVFPP Goals Align With Desired Societal Outcomes

CVFPP GOALS	PRIMARY	SUPPORTING	O&M, Ecosystem Institutional, Multi-benefit	
SOCIETAL OUTCOMES	Public Safety 	Ecosystem Vitality 	Economic Stability 	Enriching Experiences 

2017_059

Interrelated Levels of Flood Management



2017_056

Flood-Specific Outcomes



Minimize number of people within the floodplain



Reduce human vulnerability when flooding occurs



Increase system performance in populous areas



Generally promote ecosystem function



Increase the quantity of functional floodplain and associated riverine habitats



Increase and maintain the abundance and diversity of floodplain dependent native species

Flood-Specific Outcomes



Minimize property and assets within the floodplain



Reduce economic vulnerability when flooding occurs



Increase system performance for economically developed areas



Produce or maintain economic benefits on floodplains



Provide recreational benefits



Support societal / aesthetic values



Provide education and public awareness



Protect significant farmland

Societal Outcomes



Public
Safety



Ecosystem
Vitality



Economic
Stability



Enriching
Experiences

Investment Types by Area of Interest	
Capital Investment	Ongoing Investment
<i>Systemwide</i>	
Yolo Bypass	State Operations, Planning & Performance Tracking
Feather River-Sutter Bypass Improvements	Emergency Management
Paradise Cut	Reservoir Operations
Reservoir &Floodplain Storage	
<i>Urban</i>	
Levee Improvements	Risk Awareness, Floodproofing & Land Use Planning
Other Infrastructure & Habitat Improvements	Studies & Analysis
	Routine Maintenance
<i>Rural</i>	
Levee and Infrastructure Improvements	Risk Awareness, Floodproofing & Land Use Planning
Setbacks, Bypasses & Floodplain Storage	Studies & Analysis
Land Acquisitions & Easements	Routine Maintenance
Habitat Restoration/Reconnection	
<i>Small Communities</i>	
Levee &Infrastructure Improvements	Risk Awareness, Floodproofing &Land Use Planning
Setbacks, Land Acquisitions &Habitat Restoration	Studies &Analysis
	Routine Maintenance

Resilient Flood Risk Management ...

- Manages across *all* components of risk
- Increases resiliency by directing resources toward actions that:
 - limit exposure
 - reduce vulnerability
 - maintain system flexibility and adaptability
- Reconciles flood risk management with functioning ecosystems and other economic and social benefits
- Helps justify and establish stable, long-term funding

SOCIETAL OUTCOMES

Public
Safety



Ecosystem
Vitality



Economic
Stability



Enriching
Experiences



SMALL COMMUNITIES CAPITAL IMPROVEMENTS

Levee and Infrastructure Improvements



Setbacks, Land Acquisitions,
and Habitat Restoration



SMALL COMMUNITIES ONGOING IMPROVEMENTS

Risk Awareness, Floodproofing
and Land Use Planning



Studies and Analysis








Routine Maintenance



2017_039

OUTCOME CONTRIBUTION LEVEL

-  High potential contribution to this outcome
-  Moderate to high potential contribution to this outcome
-  Moderate potential contribution to this outcome
-  Low potential contribution to this outcome
-  No potential contribution to this outcome

Intended Outcomes from
Small Community Actions

Where We're Going

CVFPP State Systemwide Investment Approach Refinements

Physical and Operational Elements in SSIA

FLOOD MANAGEMENT ELEMENT	PROJECT LOCATION OR REQUIRED COMPONENTS	ACHIEVE SPFC DESIGN FLOW CAPACITY	PROTECT HIGH RISK COMMUNITIES	ENHANCE FLOOD SYSTEM CAPACITY		STATE SYSTEMWIDE INVESTMENT APPROACH
Urban Improvements						
Target 200-Year Level of Protection	Selected projects developed by local agencies, State, federal partners		YES	YES	→	YES
Target SPFC Design Capacity	Urban Levee Evaluations Project results	YES ²				

Section of 2012 CVFPP Table 3.2 Major Physical and Operational Elements of Preliminary Approaches and State Systemwide Investment Approach

2017 Refinements to SSIA

2012 SSIA		2017 SSIA Refinements	
Flood Management Element	Project Location or Required Components	Management Action Categories Used in 2017 CVFPP	Summary of Refinements in 2017 CVFPP Update
<i>Urban: Capital Improvements</i>			
Target 200-year Level of Protection	Selected projects developed by local agencies, State, federal partners	Levee Improvements; Other Infrastructure Improvements	Potential urban improvements updated considering implementation progress for State-federal projects during last 5 years and recommendations of RFMPs
Non-SPFC Urban Levee Improvements	Includes approximately 120 miles of non-SPFC levees that are closely associated with SPFC urban levees. Performance of these non-SPFC levees may affect the performance of SPFC levees		

DRAFT

Section of 2017 CVFPP Update Table 3-3 Refinements to Physical and Operational Elements in the State Systemwide Investment Approach

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